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5. (Amended) A method for producing the titania ultrathin film as defined in Claim 1, which comprises repeatedly soaking a substrate alternately in a sol having titania nanosheets suspended and in a cationic polymer solution so that the nanosheets and the polymer are adsorbed on the substrate each in a thickness of from sub-nm to nm level to form a multilayer having said components alternately accumulated.

Please add the following Claims 6-16:

6. (New) The ultrathin film according to Claim 1, wherein the film thickness of the layers is from 0.5 nm to 2 nm.

7. (New) The ultrathin film according to Claim 1, wherein the film thickness of the layers is 1 nm.

8. (New) The ultrathin film according to Claim 2, wherein said titania nanosheets are derived from layered titanium oxide.

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9. (New) The method according to Claim 5, wherein a film thickness of the layers is from 0.5 nm to 2 nm.

10. (New) The method according to Claim 9, wherein a film thickness of the layers is 1 nm.

11. (New) The method according to Claim 5, wherein the concentration of the titania is at most 5 wt.%

12. (New) The method according to Claim 5, wherein the concentration of the titania is at most 0.1 wt.%. ~~_____~~

13. (New) The method according to Claim 5, wherein the pH is at least 5.

14. (New) The method according to Claim 5, wherein the pH is at least 7.

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15. (New) The method according to Claim 5, wherein the concentration of the cationic polymer solution is at most 10 wt.%. ~~2~~

16. (New) The method according to Claim 5, wherein soaking is at least for 10 minutes.

BASIS FOR THE AMENDMENT

The limitation of Claim 3 has been incorporated into Claim 1, Claim 3 thus having been canceled, it also having been made clear that layers consisting essentially of lamina particles are alternately assembled.

The added claims find basis at page 2, line 20, page 5, line 3, page 7, line 23 to page 8, line 12 and the examples in the case.

REMARKS

Favorable reconsideration of this application is requested.

Claims 1, 2 and 4-16 are in the case.

The Examiner has required restriction under 35 U.S.C. §121 between

i. Claims 1-4, now Claims 1, 2 and 4-8, drawn to a multilayered structure, classified in Class 428, Subclass 41.1+.

ii. Claim 5, now also including Claims 9-16, drawn to a method of making a multilayered structure, classified in Class 427, Subclass 407.1+.

Applicants herewith affirm their oral election, made with traverse, on August 19, 2002 of the invention of the claims of Group I. Claims 5 and 9-16 thus stand withdrawn from further consideration as not reading on the elected invention.